

CLAIMS

1. A shoe (1) of walking or sports type, comprising a sole (2) and a vamp (3) connected to said sole (2) and receiving the user's foot, this latter resting on a resting surface inside the shoe, said surface being preferably defined by the upper surface of an innersole (4) which lies inside the shoe (1) on the sole (2), in this latter there being provided a first container (8) containing a first material defining one phase of a two-phase synthetic resin foam product, a second material defining the second phase of this product being contained in a second container (9), the second container (9) being frangible when subjected to pressure, so releasing the second material contained in it, characterised in that the first container (8) of the first material contains the second container (9), this latter being surrounded by said first container (8) such that the second material released by said container (9) enters the first material present in the first container (8), the mixing of these materials resulting in the curing of the resin foam product, at least part of said curing taking place with the user's foot resting on the resting surface, so shaping this latter to match the plantar region of said foot.
2. A shoe as claimed in claim 1, characterised in that the first container (8) and the second container (9) inserted into it define an insert (10) to be positioned in a seat (11) in the sole (2).
3. A shoe as claimed in claim 2, characterised in that the seat (11) occupies a part of the sole corresponding to that region of the user's foot lying between the metatarsal region and the heel thereof.

4. A shoe as claimed in claim 2, characterised in that the seat (11) is provided in a intersole (17) to be disposed below the innersole inside the shoe, on a part (2) of the sole which contacts the ground.
5. A shoe as claimed in claim 2, characterised in that the seat (11) is provided in that part of the sole (2) which contacts the ground.
6. A shoe as claimed in claim 1, characterised in that the second container (9) is disposed along the longitudinal axis (W) of the first container (8).
7. A shoe as claimed in claim 6, characterised in that the second container (9) is shaped substantially as a tree presenting a trunk (14) disposed along the longitudinal axis (W) of the first container and arms or branches (13) projecting from said trunk towards the edge of said second container.
8. A shoe as claimed in claim 1, characterised in that the first container is made of polymer material.
9. A shoe as claimed in claim 8, characterised in that said container withstands pressure stresses at least equal to or greater than 100 kg/cm^2 .
10. A shoe as claimed in claim 1, characterised in that the second container (9) is of polymer material.
11. A shoe as claimed in claim 10, characterised in that the second container (9) ruptures at pressures at least equal to or greater than $2\text{-}3 \text{ kg/cm}^2$.
12. A shoe as claimed in claim 1, characterised in that the material contained in the first container (8) completely wraps the second container (9).

13. A shoe as claimed in claim 1, characterised in that the second container (9) is defined by a bag presenting sidepieces (9A, 9B) joined together and disposed perpendicular to a face (8A) of the first container parallel to the plane in which this latter lies.